Sul	ostitute for form 1449A/PTO		Complete if Known
13	TODAL TION DISCLOSURE	Application Number	Unassigned
	FORMATION DISCLOSURE	Filing Date	Herewith
S	FATEMENT BY APPLICANT	First Named Inventor	Ryan D. BRUNEAU et al.
(use as many sheets as necessary)		Group Art Unit	Unassigned
	(use us many snees us necessary)	Examiner Name	Unassigned
Sheet	1 of 7	Attorney Docket Number	IMMR-069/01US

			U.S. P	ATENT DOCUMENTS	
		U.S. Patent Docume		Name of Patentee or Applicant of Cited Document	Date of Publication of Cite
Examiner Initials*	Cite No.1	Number	Kind Code ² (if known)	Name of Palettee of Applicant of Cited Document	Document MM-DD-YYY
/JL/	A1	6,219,034		Elbing et al.	04/17/2001
	A2	6,211,861		Rosenberg et al.	04/03/2001
	A3	6,184,868		Shahoian et al.	02/06/2001
	A4	6,128,006		Rosenberg et al.	10/03/2000
	A5	6,100,874		Schena et al.	08/08/2000
	A6	6,088,019		Rosenberg	07/11/2000
	A7	6,088,017	1	Tremblay et al.	07/11/2000
	A8	6,078,308		Rosenberg et al.	06/20/2000
	A9	6,061,004	T	Rosenberg	05/09/2000
	A10	6,046,726	· ·	Keyson	04/04/2000
	A11	6,028,593		Rosenberg et al.	02/22/2000
T	A12	6,020,876		Rosenberg et al.	02/01/2000
	A13	6,005,551		Osborne et al.	12/21/1999
1	A14	6,004,134		Marcus et al.	12/21/1999
\top	A15	6,001,014		Ogata et al.	12/14/1999
1	A16	5,990,869		Kubica et al.	11/23/1999
· · · · · · ·	A17	5,986,643		Harvill et al.	11/23/1999
+	A18	5,984,880			
+	A19	5,973,689		Lander et al.	11/16/1999
+	A20	5,973,670		Gallery	10/26/1999
+	A21	5,959,613	-	Barber et al.	10/26/1999
+	A21	5,956,484		Rosenberg et al.	09/28/1999
	A23	5,956,016		Rosenberg et al.	09/21/1999
+	A24	5,944,151		Kuenzner et al.	09/21/1999
+	A25			Jakobs et al.	08/31/1999
+		5,914,705	+	Johnson et al.	05/22/1999
+	A26	5,897,437		Nishiumi et al.	04/27/1999
+	A27	5,889,672	~ 	Schuler et al.	03/30/1999
+	A28	5,880,714		Rosenberg et al.	03/09/1999
+	A29	5,857,986	 	Moriyasu	01/12/1999
+	A30	5,844,392	 	Peurach et al.	12/01/1998
+	A31	5,825,308		Rosenberg	10/20/1998
+	A32	5,802,353		Avila et al.	09/01/1998
+	A33	5,790,108		Salcudean et al.	08/14/1998
-	A34	5,785,630	 	Bobick, et al.	07/28/1998
+	A35	5,784,052		Keyson	07/21/1998
 	A36	5,781,172		Engel et al.	07/14/1998
+	A37	5,766,016		Sinclair et al.	06/16/1998
	A38	5,755,577		Gillio	05/26/1998
4	A39	5,754,023		Roston et al.	05/19/1998
	A40	5,742,278		Chen et al.	04/21/1998
	A41	5,736,978		Hasser et al.	04/07/1998
<u> </u>	A42	5,734,373		Rosenberg et al.	03/31/1998
/JL/	A43	5,724,106	1	Autry et al.	03/03/1998

¹ Unique citation designation number.
² See attached Kinds of U.S. Patent Documents.

Examiner		Date	
Signature	/Jean Lesperance/	Considered	03/29/2007
APV ANADIED			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 7

Complete if Known			
Application Number	Unassigned		
Filing Date	Herewith		
First Named Inventor	Ryan D. BRUNEAU et al.		
Group Art Unit	Unassigned .		
Examiner Name	Unassigned		
Attorney Docket Number	IMMR-069/01US		

	U.S. PATENT DOCUMENTS						
/31/	A44	5,714,978	Yamanaka et al.	02/03/1998			
	A45	5,709,219	Chen et al.	01/20/1998			
	A46	5,696,537	Solhjell	12/09/1997			
	A47	5,694,013	Stewart et al.	12/02/1997			
	A48	5,691,898	Rosenberg et al.	11/25/1997			
	A49	5,691,747	Amano	11/25/1997 ·			
	A50	5,684,722	Thorner et al.	11/04/1997			
	A51	5,669,818	Thorner et al.	09/23/1997			
	A52	5,666,473	Wallace	09/09/1997			
	A53	5,666,138	Culver	09/09/1997			
	A54	5,643,087	Marcus et al.	07/01/1997			
	A55	5,642,469	Hannaford et al.	06/24/1997			
	A56	5,629,594	Jacobus et al.	05/13/1997			
	A57	5,625,576	Massie et al.	04/29/1997			
	A58	5,589,854	Tsai	12/31/1996			
	A59	5,589,828	Armstrong	12/31/1996			
	A60	5,583,478	Renzi	12/10/1996			
<u> </u>	A61	5,565,840	Thorner et al.	10/15/1996			
	A62	5,550,562	Aoki et al.	08/27/1996			
	A63	5,547,382	Yamasaki et al.	08/20/1996			
	A64	5,543,821	Marchis et al.	08/06/1996			
	A65	5,542,672	Meredith	08/06/1996			
	A66	5,530,455	Gillick et al.	06/25/1996			
	A67	5,513,100	Parker et al.	04/30/1996			
	A68	5,512,919	Araki	04/30/1996			
	A69	5,491,477	Clark et al.	02/13/1996			
	A70	5,477,237	Parks	12/19/1995			
	A71	5,473,344	Bacon et al.	12/05/1995			
	A72	5,466,213	Hogan et al.	11/14/1995			
	A74	5,457,479	Cheng	10/10/1995			
_	A75	5,451,924	Massimino et al.	09/19/1995			
	A76	5,414,337 5,405,152	Schuler	05/09/1995			
	A77	5,399,091	Katanics et al.	04/11/1995			
	A78	5,388,992	Misumoto	03/21/1995			
	A79	5,374,942	Franklin et al.	02/14/1995			
	A80	5,355,148	Gilligan et al. Anderson	12/20/1994 10/11/1994			
	A81	5,354,162	Burdea et al.				
	A82	5,334,027	Wherlock	10/11/1994 08/02/1994			
	A83	5,317,336	Hall				
	A84	5,313,230	Vernolia et al.	05/31/1994 05/17/1994			
	A85	5,309,140	Everett, Jr., et al.	05/03/1994			
	A86	5,299,810	Pierce et al.	04/05/1994 .			
	A87	5,296,871	Palev	03/22/1994			
	A88	5,280,276	Kwok	01/18/1994			
	A89	5,275,174	Cook	01/04/1994			
	A90	5,271,290	Fischer	12/21/1993			
	A91	5,240,417	Smithson et al.	08/31/1993			
	A92	5,235,868	Culver	08/17/1993			
	A93	5,220,260	Schuler	06/15/1993			
	A94	5,212,473	Louis	05/18/1993			
1.117	A95	5,203,563	Loper, III	04/20/1993			

Examiner		Date	
Signature	/Jean Lesperance/	Considered	03/29/2007
ACVALABICO.	Initial ic ic		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 7

Complete if Known			
Application Number	Unassigned		
Filing Date	Herewith		
First Named Inventor	Ryan D. BRUNEAU et al.		
Group Art Unit	Unassigned		
Examiner Name	Unassigned		
Attorney Docket Number	IMMR-069/01US		

-	U.S. PATENT DOCUMENTS					
7.117	A96	5,189,355	Larkins et al.	02/23/1993		
7	A97	5,186,629	Rohen	02/16/1993		
	A98	5,185,561	Good et al.	02/09/1993		
	A99	5,184,319	Kramer	02/02/1993		
	A100	5,146,566	Hollis, Jr. et al.	09/08/1992		
	A101	5,116,180	Fung et al.	05/26/1992		
	A102	5,107,262	Cadoz et al.	04/21/1992		
	A103	5,095,303	Clark et al.	03/10/1992		
	A104	5,086,296	Clark	02/04/1992		
	A105	5,078,152	Bond et al.	01/07/1992		
	A106	5,044,956	Behensky et al.	09/03/1991		
	A107	5,038,089	Szakaly	08/06/1991		
	A108	5,035,242	Franklin et al.	07/30/1991		
	A109	5,022,407	Horch et al.	06/11/1991		
	A110	5,019,761	Kraft	05/28/1991		
	A111	4,983,901	Lehmer	01/08/1991		
	A112	4,949,119	Moncrief et al.	08/14/1990		
	A113	4,934,694	McIntosh	06/19/1990		
	A114	4,930,770	Baker	06/05/1990		
	A115	4,896,554	Culver	01/30/1990		
	A116	4,891,764	McIntosh	01/02/1990		
	A117	4,868,549	Affinito et al.	09/19/1989		
	A118	4,795,296	Jau	01/03/1989		
	A119	4,794,392	Selinko	12/27/1988		
	A120	4,787,051	Olson	11/22/1988		
	A121	4,731,603	McRae et al.	. 03/15/1988		
	A122	4,713,007	Alban	12/15/1987		
	A123	4,708,656	de Vries et al.	11/24/1987		
	A124	4,604,016	Joyce	08/05/1986		
	A125	4,599,070	Hladky et al.	07/08/1986		
	A126	4,581,491	Boothroyd	04/08/1986		
	A127	4,513,235	Acklam et al.	04/23/1985		
	A128	4,414,984	Zarudiansky	11/15/1983		
	A129	4,236,325	Hall et al.	12/02/1980		
	A130	4, 160,508	Salisbury, Jr.	07/10/1979		
	A131	3,919,691	Noll	11/11/1975		
	A132	3,911,416	Feder	10/07/1975		
	A133	3,903,614	Diamond et al.	09/09/1975		
	A134	3,902,687	Hightower	09/02/1975		
	A135	3,623,064	Kagan	11/23/1971		
	A136	3,517,446	Corlyon et al.	06/30/1970		
	A137	3,497,668	Hirsch	02/24/1970		
J	A138	3,220,121	Cutler	11/30/1965		
7.11 /	A139	3,157,853	Hirsch	11/17/1964		

Examiner		Date	
A .		Date	00/00/0007
Signature	/Jean Lesperance/	Considered	03/29/2007
	والمراقع المنازع في المنازع ال		VOIRORO

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 7

Complete if Known			
Application Number	Unassigned		
Filing Date	Herewith		
First Named Inventor	Ryan D. BRUNEAU et al.		
Group Art Unit	Unassigned		
Examiner Name	Unassigned		
Attorney Docket Number	IMMR-069/01US		

	FOREIGN PATENT DOCUMENTS						
Examiner	Cite No.1	TOTELY I PARENT LACCUMENT I			Date of Publication		
Initials*	No.	Office ¹	Number ²	Kind Code ³ (if known)		of Cited Document MM-DD-YYYY	T ⁴
· [-]	MOON		0 349 086	Al	Stork Kwant B.V.	01/03/1990	
19	B2		0 265 011	A1		04/27/1988	
	B3	LI	0 607 580	Al		07/27/1994	-
	B4		0 626 634	A2		11/30/1994	
	B5		WO 92/00559			01/09/1992	
	B6		WO 97/31333			08/28/1997	
	B7		WO 00/03319			01/20/2000	
	B8		WO 95/20788			08/03/1995	
	B9		WO 97/21160	l		06/12/1997	
	B10		WO 00/21071			04/13/2000	
	B11		0085518	A1		02/21/1983	
	B12		875819			04/11/1998	
V	B13		WO 95/12188			05/04/1995	
/JL/	B14		S62-194389			12/10/1997	

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
J:L.	J.L. CI Baigrie, "Electric Control Loading - A Low Cost, High Performance Alternative," Proceedings of Interservice/Intraining Systems Conference, pp. 247-254, November 6-8, 1990		
	C2	Iwata, "Pen-based Haptic Virtual Environment," 0-7803-1363-1/93 IEEE, pp. 287-292, 1993	
	C3	Russo, "The Design and Implementation of a Three Degree of Freedom Force Output Joystick," MIT Libraries Archives pp. 1-131, May 1990, archived 8/14/90	
	C4	Brooks et al., "Hand Controllers for Teleoperation - A State-of-the-Art Technology Survey and Evaluation," JPL Publication 85-11, NASA-CR-175890; N85-28559, pp. 1-84, 03/1/1985	
C5 Jones et al., "A perceptual analysis of stiffness," ISSN 0014-4819 Springer International (Springer-Verlag); Experim		Jones et al., "A perceptual analysis of stiffness," ISSN 0014-4819 Springer International (Springer-Verlag); Experimental Brain Research, Vol. 79, No. 1, pp. 150-156, 1990	
C6 Burdea et al., "Distributed Virtual Force Feedback, Lecture Notes for Workshop on Force Display in Virtual Environments and its Application to Robotic Teleoperation," 1993 IEEE International Conference on Robotics at Automation, pp. 25-44, 05/02/1993			
	C7	Snow et al., 'Model-X Force-Reflecting-Hand-Controller," NT Control No. NPO-17851; JPL Case No. 7348, pp. 1-4 with 45 pages of attachments, 06/15/1989	
	C8	Ouh-Young, "Force Display in Molecular Docking," Doctoral Dissertation, University of North Carolina at Chapel Hill, UMI Order No. 9034744, p. 1-369, 1990	
	C9	Tadros, "Control System Design for a Three Degree of Freedom Virtual Environment Simulator Using Motor/Brake Pair Actuators," MIT Archive, pp. 1-88, February 1990, archived 8/13/90	-
C10 Caldwell et al., "Enhanced Tactile Feedback (Tele-Taction) Using a Multi-Functional Sensory System," 1050-4729/93, pp. 955-960, 1993			
	C11	Adelstein et al., "Design and Implementation of a Force Reflecting Manipulandum for Manual Control research," DSC-Vol. 42, Advances in Robotics, pp. 1-12, 1992	
/JL/	C12	Gotow et al., "Controlled Impedance Test Apparatus for Studying Human Interpretation of Kinesthetic Feedback," WAII-II:00, pp. 332-337	

Applicant is to place a check mark here if English language Translation is attached.

	Examiner		Data	
			Date	
	Ciamatum	/Jean Lesperance/	10	02/20/2007
L	Signature	/Jean Lesperance/	Considered	L 03/29/2007
-				UUIZUIZUI

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).
² For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

Substitute for form 1449A/PTO		Complete if Known		
DIEODMATION DICOLOGUDE	Application Number	Unassigned		
INFORMATION DISCLOSURE	Filing Date	Herewith		
STATEMENT BY APPLICANT	First Named Inventor	Ryan D. BRUNEAU et al.		
(use as many sheets as necessary)	Group Art Unit	Unassigned		
(use as many sneeds as necessary)	Examiner Name	Unassigned		
Sheet 5 of 7	Attorney Docket Number	DAMP 040/01118		

	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
/JL/	C13	Stanley et al., "Computer Simulation of Interacting Dynamic Mechanical Systems Using Distributed Memory Parallel' Processors," DSC-Vol. 42, Advances in Robotics, pp. 55-61, ASME 1992			
	C14	Russo, "Controlling Dissipative Magnetic Particle Brakes in Force Reflective Devices," DSC-Vol. 42, Advances in Robotics, pp. 63-70, ASME 1992			
	C15 Kontarinis et al., "Display of High-Frequency Tactile Information to Teleoperators," Telemanipulator Technolog Space Telerobotics, Won S. Kim, Editor, Proc. SPIE Vol. 2057, pp. 40-50, Sep. 7-9, 1993				
	C16 Patrick et al., "Design and Testing of A Non-reactive, Fingertip, Tactile Display for Interaction with Remote Environments," Cooperative Intelligent Robotics in Space, Rui J. deFigueiredo et al, Editor, Proc. SPIE Vol. 1387, pp. 215-222, 1990				
	C17	Adelstein, "A Virtual Environment System For The Study of Human Arm Tremor," Ph.D. Dissertation, Dept. of Mechanical Engineering, MIT, June 1989, archived 3/13/90			
	C18	Bejczy, "Sensors, Controls, and Man-Machine Interface for Advanced Teleoperation," Science, Vol. 208, No. 4450, pp. 1327-1335, 1980			
	C19	Bejczy et al., "Generalization of Bilateral Force-Reflecting Control of Manipulators," Proceedings Of Fourth CISM-IFTOMM, Sep. 8-12, 1981			
	C20	McAffee et al., "Teleoperator Subsystem/Telerobot Demonstrator: Force Reflecting Hand Controller Equipment Manual," JPL 1988, JPL D-5172			
	C21	Minsky, "Computational Haptics: The Sandpaper System for Synthesizing Texture for a Force-Feedback Display," Ph.D. Dissertation, MIT, June 1995, archived 7/6/95			
	C22	Jacobsen et al., "High Performance, Dextrous Telerobotic Manipulator With Force Reflection," Intervention/ROV '91 Conference & Exposition, Hollywood, Florida, May 21-23, 1991			
	C23	Shimoga, "Finger Force and Touch Feedback Issues in Dexterous Telemanipulation," Proceedings of Fourth Annual Conference on Intelligent Robotic Systems for Space Exploration, Rensselaer Polytechnic Institute, Sep. 30- Oct. 1, 1992			
	C24	IBM Technical Disclosure Bulletin, "Mouse Ball-Actuating Device With Force and Tactile Feedback," Vol. 32, No. 9B, February 1990			
	C25	Terry et al., "Tactile Feedback In A Computer Mouse," Proceedings of Fourteenth Annual Northeast Bioengineering Conference, University of New Hampshire, March 10-11, 1988			
	C26	Howe, "A Force-Reflecting Teleoperated Hand System for the Study of Tactile Sensing in Precision Manipulation," Proceedings of the 1992 IEEE International Conference on Robotics and Automation, Nice, France, May 1992			
	C27 Eberhardt et al., "OMAR - A Haptic display for speech perception by deaf and deaf-blind individuals," <i>IEEE Virtual Reality Annual International Symposium</i> , Seattle, WA, Sep. 18-22, 1993				
-	C28 Rabinowitz et al., "Multidimensional tactile displays: Identification of vibratory intensity, frequency, and contractor area," Journal of The Acoustical Society of America, Vol. 82, No. 4, October 1987				
	C29 Bejczy et al., "Kinesthetic Coupling Between Operator and Remote Manipulator," International Computer Technology Conference. The American Society of Mechanical Engineers, San Francisco, CA, August 12-15, 1980				
	C30 Bejczy et al., "A Laboratory Breadboard System For Dual-Arm Teleoperation," SOAR '89 Workshop, JSC, Houston, TX, July 25-27, 1989				
	C31	Oubyoung et al., "A Low-Cost Force Feedback Joystick and Its Use in PC Video Games," <i>IEEE Transactions on Consumer Electronics</i> , Vol. 41, No. 3, August 1995			
	C32	Marcus, "Touch Feedback in Surgery," Proceedings of Virtual Reality and Medicine The Cutting Edge, Sep. 8-11, 1994			
	C33	Bejezy, et al., "Universal Computer Control System (UCCS) For Space Telerobots," CH2413-3/87/0000/0318501.00 1987 IEEE, 1987			
	C34	Hasser, C., "Tactile Feedback For a Force-Reflecting Haptic Display," School of Engineering, Univ. of Dayton, Dec. 1995			
	C35	Hasser, C. et al., "Tactile Feedback With Adaptive Controller for a Force-Reflecting Haptic Display - Part 1: Design," IEEE 0-7803-3131, Jan. 1996			
	C36	Dennerlein, Jack T. et al., "Vibrotactile Feedback for Industrial Telemanipulators," 6th Ann. Symposium on Haptic Interfaces for Virtual Environment and Teleoperator Systems, ASME IMECE, Nov. 1997			
	C37	Akamatsu, M. et al., "Multimodal Mouse: A Mouse-Type Device With Tactile and Force Display," Presence, Vol. 3, No. 4, Winter 1994, pp. 73-80			
	C38	Kelley, A.J. et al., "MagicMouse: Tactile and Kinesthetic Feedback in the Human-Computer Interface Using an Electromagnetically Actuated Input/Output Device," Dept. of Elec. Eng., Univ. of British Columbia, Oct. 1993, pp. 1-27			
	C39	Ramstein, C., "Combining Haptic and Braille Technologies: Design Issues and Pilot Study" ACM 0-89791-776 Jun. 1996, pp. 37-44			
	C40	Payette, J. et al., "Evaluation of a Force Feedback (Haptic) Computer Pointing Device in Zero Gravity," DSC-Vol. 58, Proc. of ASME Dynamics Systems and Control Division, ASME 1996, pp. 547-553			

Examiner		Date	
Signature	/Jean Lesperance/	Considered	03/29/2007
ACVALABLED			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	6	of 7	

	Complete if Known	
Application Number	Unassigned	
Filing Date	Herewith	
First Named Inventor	Ryan D. BRUNEAU et al.	
Group Art Unit	Unassigned	
Examiner Name	Unassigned	
Attorney Docket Number	IMMR-069/01US	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
/JL/	C41	Wiker, S. et al., "Development of Tactile Mice for Blind Access to Computers: Importance of Stimulation Locus, Object Size and Vibrotactile Display Resolution," Proc. of Human Factors Society 35th Annual Meeting 1991, pp. 708-712			
	C42	Buttolo et al., "Pen-Based Force Display for Precision Manipulation in Virtual Environments," 0-8186-7084 IEEE Mar. 1995, pp. 217-224			
	C43 Rosenberg et al., "The Use of Force Feedback to Enhance Graphical User Interfaces," Stereoscopic Displays & Virtual Reality Systems III (1996), Proc. SPIE 2653, pp. 243-248				
	C44 Schmult et al., "Application Areas for A Force-Feedback Joystick," DSC-Vol. 49, Advances in Robotics, Mechatronics, and Haptic Interfaces, ASME 1993, pp. 47-54				
	C45	Ellis, et al., "Design and Evaluation of a High-Performance Prototype Planar Haptic Interface," DSC-Vol. 49, Advances in Robotics, Mechatronics, and Haptic Interfaces, ASME Dec. 1993, pp. 55-65			
	C46	Hannaford et al., "Force-Feedback Cursor Control," NASA Tech Brief, Vol. 13, No. 11, Item #21, Jet Propulsion Lab., Nov. 1989			
	C47	Kelley et al., "On the Development of a Force-Feedback Mouse and Its Integration Into a Graphical User Interface," Symp. On Haptic Interfaces for Virtual Envir. And Teleoperator Systems, 1994 Int'l Mech. Eng. Congress and Exhibition, Nov. 1994			
	C48	Iwata, H., "Artificial Reality with Force-Feedback: Development of Desktop Virtual Space with Compact Master Manipulator," Computer Graphics, Vol. 24, No. 4, Aug. 1990, pp. 165-170			
	C49	Ramstein et al., "The Pantograph: A Large Workspace Haptic Device for a Multimodal Human-Computer Interaction," Computer-Human Interaction, CHI '94			
	C50	Rosenberg et al., "Commercially Viable Force Feedback Controller for Individuals with Neuromotor Disabilities," USAF Armstrong Lab., May 1996			
	C51	Su et al., "The Virtual Panel Architecture: A 3D Gesture Framework," Computer Science Depts., Univ. of Maryland, Texas A&M Univ., Jan. 1993			
	C52	Adachl et al., "Sensory Evaluation of Virtual Haptic Push-Buttons," Technical Research Center, Suzuki Motor Corp., 1994			
	C53	Rosenberg, L., "A Force Feedback Programming Primer – For PC Gaming Peripherals Supporting I-Force 2.0 and Direct – X 5.0," Immersion Corporation, 1997, pgs. 1-176			
	C54	Munch et al., "Intelligent Control of Haptic Displays," Eurographics '96, Vol. 15, No. 3, 1996, pgs. 217-226			
	C55	Brooks, Jr. et al., "Project GROPE, Haptic Displays for Scientific Visualization," Computer Graphics, Vol. 24, #4, 1990, pgs. 177-184			
	C56 Batter et al., "Grope-1: A Computer Display to the Sense of Feel," Proc. IFIP Congress, 1971, pgs. 759-763				
	C57 Gotow et al., "Perception of Mechanical Properties at the Man-Machine Interface," IEEE CH2503-1, 1987, pgs 688-690				
C58 Howe et al., "Task Performance w/ a dextrous Teleoperated Hand System," Proc. of SPIE, Vol. 1833, 1992, pgs. 1-9		Howe et al., "Task Performance w/ a dextrous Teleoperated Hand System," Proc. of SPIE, Vol. 1833, 1992, pgs. 1-9			
	C59	Atkinson et al, "Computing with Feeling," Comput. & Graphics, Vol. 2, 1977, pgs. 97-103			
	C60	Minsky et al., "Feeling & Seeing: Issues in Force Display," ACM089791-351-5, 1990, pgs. 235-242, 270			
	C61	Adelstein et al., "Design & Implementation of a Force Reflecting Manipulandum for Manual Control Research," 1992, NASA – Ames Research Center and MIT, pgs. 1-26			
	C62	Colgate et al., "Implementation of Stiff Virtual Walls in Force-Reflecting Interfaces," Northwestern University, IL, 1993, pgs. 1-8			
	C63	Hirota et al., "Development of Surface Display," IEEE 0-7803-1363-1, 1993, pgs. 256-262			
	C64	Millman et al., "Design of a 4 Degree of Freedom Force-Reflecting Manipulandum with a Specified Force/Torque Workspace," IEEE CH2969-4, 1991, pgs 1488-1493			
	C65	Rosenberg,, "Perceptual Design of a Virtual Rigid Surface Contact," Armstrong Laboratory AL/CF-TR-1995-0029, 1993, pgs. 1-45			
	C66	Russo, "The Design & Implementation of a 3-Degree-of-Freedom Force Output Joystick," Dept. of Mech. Engineering, 1990, pgs. 1-42			
	C67	Rosenberg, L., "Virtual Fixtures as Tools to Enhance Operator Performance in Telepresence Environments," SPIE Manipulator Technology, 1993, pgs. 1-12			
ΪΊ <u>U</u>	C68	Rosenberg et al., "Perceptual Decomposition of Virtual Haptic Surfaces," Proc. IEEE Symposium on Research Frontiers in Virtual Reality, 1993, pgs. 1-8			

Examiner		Date		7
Signature	/Jean Lesperance/	Considered	03/29/2007	

Complete if Known Substitute for form 1449A/PTO **Application Number** Unassigned INFORMATION DISCLOSURE Filing Date Herewith STATEMENT BY APPLICANT First Named Inventor Ryan D. BRUNEAU et al. **Group Art Unit** Unassigned (use as many sheets as necessary) **Examiner Name** Unassigned Attorney Docket Number Sheet 7 of 7 IMMR-069/01US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
/JL/	C69	Yokokoji et al., "What you can see is what you can feel," IEEE-0-8186-7295-1, 1996, pgs. 46-54		
- /JL/	C70	Kilpatric et al., "The Use of Kinesthetic Supplement in an Interactive Graphics System," University of North Carolina, 1976, pgs. 1-172		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 198982 vI/RE

49J@01!.DOC

Examiner / loan Losporance/	Date	03/29/2007
Signature /Jean Lesperance/	Considered	03/29/2007

Unique citation designation number.
 Applicant is to place a check mark here if English language Translation attached.